Docket No.: HO-P02759US3

## **ABSTRACT**

[0196] The present invention is directed to methods and compositions regarding the preparation of an cell concentrate, such as, for example, an osteogenic cell concentrate, from a physiological solution, such as bone marrow aspirate, blood, or a mixture thereof. In specific embodiments, the invention provides methods and compositions utilizing two physiological solution-processing techniques, particularly in a point of care environment, wherein centrifugation is not employed.